Sequence Appendix 1

Untitled Sequence # 2 -> 1-phase Translation

DNA sequence 1983 b.p. TTCCATCTAACC ... ATGGTGGGCGCC linear

31/11

TTC CAT CTA ACC ACA CGT AAC GGA GAA CCA CAC ATG ATC GTC AGT AGA CAA GAG AAA GGG F H L T T R N G E P H M I V S R Q E K G 61/21 91/31 AAA AGT CTT TIG TIT AAA ACA GAG GAT GGC GTG AAC ATG TGC ACC CTC ATG GCC ATG GAC K S L L F K T E D G V N M C T L M A M D 151/51 CTT GGT GAA TTG TGT GAA GAC ACA ATC ACG TAC AAG TGT CCC CTT CTC AGG CAG AAT GAG LGELCEDTITYKCPLLRQNE 181/61 211/71 CCA GAA GAC ATA GAC TGC TGG TGC AAC TCC ACG TCC ACG TGG GTA ACC TAT GGG ACT TGT PEDIDC W C N S T S T W V T Y G T C 241/81 271/91 ACC ACC ACG GGA GAA CAT AGA AGA GAA AAA AGA TCA GTG GCA CTC GTT CCA CAT GTG GGA TTTGEERREERSV ALVPHV 301/101 331/111 ATC GGA CTC GAG ACG CGA ACT GAA ACA TGG ATG TCA TCA GAA GGG GCT TGG. AAA CAT GCC MGLETRTETWMSS.EGAWKHA 361/121 391/131 CAG AGA ATT GAA ATT TGG ATC CTG AGA CAT CCA GGC TTC ACC ATA ATG GCA GCA ATC CTG Q R I E I W I L R H P G F T I M A A I L 421/141 451/151 GCA TAC ACC ATA GGG ACG ACA CAT TIC CAG AGA GCA CTG ATT TIC ATC TIA CTG ACA GCT AYTIGTTHFQRALIFILL TA 511/171 GTC GCT CCT TCA ATG ACA ATG CGT TGC ATA GGA ATA TCA AAT AGA GAC TIT GTA GAA GGG V A P S M T M R C I G I S 541/181 571/191 GIT TCA GGA GGA AGC TGG GIT GAC ATA GTC TTA GAA CAT GGA AGC TGT GTG ACG ACG ATG V S G G S W V D I V L E H G S C V T T H 601/201 631/211 GCA AAA AAC AAA CCA ACA TTG GAT TTT GAA CTG ATA AAA ACA GAA GCC AAA CAG CCT GCC A K N K P T L D F E L I K T B A K Q P 691/231 ACC CTA AGG AAG TAC TOT ATA GAG GCA AAG CTA ACC AAC ACA ACA ACA GAA TCT CGT TGC TLRKYCIEAKLTN 721/241 751/251 CCA ACA CAA GGG GAA CCC AGC CTA AAT GAA GAG CAG GAT AAA AGG TTC GTC TGC AAA CAC PTQGBPSLNEBQDKRFVCKH 781/261 811/271 TCC ATG GTA GAC AGA GGA TGG GGA AAT GGA TGT GGA TTA TTT GGA AAG GGA GGC ATT GTG S M V D R G W G N G C G L P G R G G I V 871/291 ACC TOT GCT ATG TTC ACA TGC AAA AAG AAC ATG GAG GGA AAA GTT GTG CAG CCA GAA AAC T C A M F T C K K N M E G K V V Q P B N 901/301 931/311 TIG GAA TAC ACC ATT GIG GIA ACA CCC CAC TCA GGG GAA GAG CAT GCG GIC GGA AAT GAC L B Y T I V V T P H S G E E H A V G N D 961/321 991/331 ACA GGA AAA CAT GGC AAG GAA ATC AAA GTA ACA CCA CAG AGT TCC ATC ACA GAA GCA GAA T G K H G K E I K V T P Q S S I T E A E 1021/341 1051/351 THE ACA GOT TAT GGC ACT GHC ACG ATG GAG TGC TCT CCG AGA ACA GGC CTC GAC TTC AAT LTGYGTVTMECSPRTGLDFW 1081/361 1111/371 GAG ATG GTG TTG CTG CAG ATG GAA AAT AAA GCT TGG CTG GTG CAT AGG CAA TGG TTC CTA B M V L L Q M E N K A W L V H R Q W F L 1141/381 1171/391 CAC CTG CCG TTA CCA TOG CTG CCC GGA GCC GAC ACA CAA GGC TCA AAT TGG ATA CAA AAA DLPLPWLPGADTQ GSNWIQR 1201/401 1231/411 gaa aca tig gic act tic aaa aai cct cai gcg aag aaa cag gat git git tia gga R T L V T F K N P H A K K O D V V V L 1261/421 1291/431 TOO CAA GAA GGG GGC ATG CAC ACA GGA CTC ACA GGG GGC ACA GAA ATG CAA ATG TOA TOA S Q E G A M H T A L T G A T E I Q M S S

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Untitled Sequence # 2 -> 1-phase Translation

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ATTTTGACTGGAAA TGTGGAAAATGCTG	AAAGATCACAG GACCCAAGACA	CCCACCTAAA(AGGCTTGGCT(SAGGT 320 STTCT 360	
AAGGAAAGTCAAGA 410	420 LL	AGTTTGATGA(430	FAGGA 400 440	
TTGTCCTCAAGGAA TGCAATTCCTAATT AATGAAGTTGTCGA ATCAACAACACGGA CCTCAAAAGGAGAG	PTGGGAATGCT(ATTTCCAGGGG CATTGCAGACG	GTTGATGACG(AAGCTTTTGAT TTATCGTGATT	GTGG 480 GACC 520	
610 	620 L	630	640	
CGTCGGCTACATGT(CCTAAGCTTACCAT(GCTGGTGTGACAAC(GTGCACGCGGACCA(GTGTCGGTCCAAAC(810	GGCAATGATC(CAAGAAGTCTA(GGCATTCCAAG(CAGAGGATGTO CGTCCAATATO CGAAGCAGGAO	GATT 680 GACG 720 ATCC 760	
AAAAAGAGGCTTGGG CTCATGAAAACTGA CATGCTTTCCTGGCG CTAACAACGGTCAAC CTTGGTCGCTCCGGG	AGAACTGGATCA GGCGGTACTTGG GCGTGGTATTT	ATAAGGAATCC CTGGATGCTT 'ACCATCCTCC ATTGTCTGGG	TGGC 880 GGCA 920 TGCT 960 AATG 1000	
GCAATCGTGACTTC		1030 	1040	
GGTGGACTTGGTGC ATGGCAAACGACAA ACATCGAAGCTAGC	TAGAAGGAGAC ACCAACATTGG	AGCTGCTTGA ACGTCCGCAT	CAAT 1080	
CTATCATGCTTCAG	TCACTGACATC	TCGACGGTGG	CTCG 1200	

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1210	1220	1230	1240	
GTGCCCCACGACTGG GATAGTAGCTATGTG GGTGGGGCAACGGAT TGACACATGTGCAAA GGGAGAACAATCCAG	TGCAAACAA GTGGATTTT ATTCTCCTG(GGCTTCACTGA FCGGGAAGGGA CACCAGTAAAG	CCGTG 1280 AGCAT 1320 CGATT 1360	
1410	1420	1430 L	1440	
GCATTTTTGTGCATG GAATTATTCAGCGCA TTTACAGTAACACCC TTGGTGACTACGGAG GAGTGGACTGAACAC	AGTTGGGGC(AATGCTCCTT AAGTCACAC1	GTCCCAGGCGG CCGGTAGCCCT CGGACTGTGAG	CAAAG 1480 CAAAC 1520 CCAAG 1560	
1610 	1620	1630	1640	
GGGTCAAAGTCATTT ACCTCGCTCTCCCT GAGAAACAGAGAACT GCCACAAAACAGTCC GAGGCCTCCATCATG	GGACGTCCC(CCTCATGGAA GTTGTTGCT(CTTCGAGCACA ATTTGAAGGGG CTTGGGTCACA	GCGTG 1680 CGCAC 1720 GGAAG 1760	
1810	1820	1830	1840	
GTACTCAAGCTCAGT TGTAGGCTGAAAATG CCTATGGCATGTGTA TCCGGTGGACACTGG TCCTACTCTGGGAGT	GACAAACTGG CAGAAAAATT ICACGGAACA	CTCTGAAAGG CTCGTTCGCG GTTGTCATTG	CACAA 1880 AAAAA 1920 AACTC 1960	
2010	2020 	2030	2040	
TTTCCGTTGCGAGCC GCTGGTGACAGTGAA AACTCAAAGGTGCTGC ACTCCTACATCGTAG CCACCATTGGCACAA	CCCCTTCGTC GTCGAGATGG FTGGAAGGGG	GCGACTTCCA AACCCCCCTT AGACAAGCAG	GTGCC 2080 CGGAG 2120 ATCAA 2160	
2210 	2220	2230	2240	
TTTTCAACAACTTTGA TGGGCGACACAGCCTC CTTCAACTCCATAGGA GGTGCCTTCAGAACAC CACAAGGGCTAATGGC	AAGGGAGCTC GGACTTTGG AAGAGCCGTT CTCTTTGGGG	AAAGACTGGC. CTCTATTGGA CACCAAGTGT GAATGTCTTG	AGCGT 2240 GGGGT 2280 TTGGT 2320 GATCA 2360	
2410 	2420	2430	2440	
CAACGCACGAGACCGA ACAGGAGGTGTGCTCC CCGATCAAGGATGCGC CAAGTGCGGAGATGGT GACTGGCTGAACAAGT	ATCAATTGCT STGTTCTTAG CCATCAACTT CATCTTCATA	TTGGCCTTCTT CGACCAATGT(TGGCAAGAGACT(TTTAGAGACT(PAGCC 2440 GGGCG 2480 GAGCT 2520 CTGAT 2560	

2610 2620 2630 26	40
TGAAGCTTGCATCAATAGTGAAAGCCTCTTTTGAAGAAGG GAAGTGTGGCCTAAATTCAGTTGACTCCCTTGAGCATGAG ATGTGGAGAAGCAGGGCAGATGAGATCAATGCCATTTTTG AGGAAAACGAGGTGGACATTTCTGTTGTCGTGCAGGATCC AAAGAATGTTTACCAGAGAGGAACTCATCCATTTTCCAGA	5 2680 5 2720 5 2760
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ATTCGGGATGGTCTGCAGTATGGTTGGAAGACTTGGGGTAAGAACCTTGTGTTCTCCCCAGGGAGAAGAATGGAAGCTTCATCATAGATGGAAAGTCCAGGAAAGAATGCCCGTTTTCAAACCGGGTCTGGAATTCTTTCCAGATAGAGGAGTTTGGGACGGAGTGTTCACCACACGCGTGTACATGGACGCAGTCTT	2880 2920 2960 3000
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TGAATACACCATAGACTGCGATGGATCTATCTTGGGTGCA GCGGTGAACGGAAAAAAGAGTGCCCATGGCTCTCCAACAT TTTGGATGGGAAGTCATGAAGTAAATGGGACATGGATGAT CCACACCTTGGAGGCATTAGATTACAAGGAGTGTGAGTGG CCACTGACACATACGATTGGAACATCAGTTGAAGAGAGTG	3080 3120 3160
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AAATGTTCATGCCGAGATCAATCGGAGGCCCAGTTAGCTC TCACAATCATATCCCTGGATACAAGGTTCAGACGAACGGA CCTTGGATGCAGGTACCACTAGAAGTGAAGAGAGAGCTT GCCCAGGGACTAGCGTGATCATTGATGGCAACTGTGATGG ACGGGGAAAATCAACCAGATCCACCACGGATAGCGGGAAA	3280 3320 3360
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GTTATTCCTGAATGGTGTTGCCGCTCCTGCACAATGCCGC CTGTGAGCTTCCATGGTAGTGATGGGTGTTGGTATCCCAT GGAAATTAGGCCAAGGAAAACGCATGAAAGCCATCTGGTG CGCTCCTGGGTTACAGCTGGAGAAATACATGCTGTCCCTT TTGGTTTGGT	3480 3520 3560
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AAGGAAAGACAGGGACCAAAGCAAATGTTGGTTGGAGGA GTAGTGCTCTTGGGAGCAATGCTGGTCGGGCAAGTAACTC TCCTTGATTTGCTGAAACTCACAGTGGCTGTGGGATTGCA TTTCCATGAGATGAACAATGGAGGAGACGCCATGTATATG GCGTTGATTGCTGCCTTTTCAATCAGACCAGGGCTGCTCA	3680 3720 3760
3810 3820 3830 384	
TCGGCTTTGGGCTCAGGACCCTATGGAGCCCTCGGGAACG CCTTGTGCTGACCCTAGGAGCAGCCATGGTGGAGATTGCC TTGGGTGGCGTGATGGGCGGCCTGTGGAAGTATCTAAATG CAGTTTCTCTCTGCATCCTGACAATAAATGCTGTTGCTTC TAGGAAAGCATCAAATACCATCTTGCCCCTCATGGCTCTG	3880 3920 3960

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4010	4020	4030 L	4040	
TTGACACCTGTCACT	PATGGCTGAG	TCACACTTC	CCCCDD 4040	
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GAATTTCAAGGACAC	CTCCATGCA	T WOOOGICCI	COMOMO 4100	
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CTTTTTTGGGCCTGT	CTCCTTAC(TCCCA A CCCC	CACAAC 4160	
			CATATT 4200	
4210	4220	4230 L	4240	
TGGGCGAAGGAGTAT	CCCAGTGAA	rgaggcactc	GCDGCD 4340	
GCTGGTCTAGTGGGA	GTGCTGGCA	GACTGGCTT	TTCACC 4290	
AGATGGAGAACTTCC	TTGGTCCGAT	11000100011 7760407766	ACCACT 4320	
CCTGATGATGCTGGT	TAGCGTGGCT	DOTTOROUT TGGGAGGGTG	CATCCC 4360	
CTAGAGCTCAAGAAG	CTTGGTGAAC	TTTTC	AACACC 4400	
4410 	4420	4430	4440	
AGGCGGAGATCAGCG	GGAGTTCCG	CCGCTATGA	TGTGGC 4440	
ACTCAGTGAACAAGG	GGAGTTCAAC	CTGCTTTCT	GAAGAG 4480	
AAAGTGCCATGGGAC	CAGGTTGTG	TGACCTCGC'	TGGCCT 4520	
TGGTTGGGGCTGCCC	TCCATCCATT	᠈ᠮᢗᢗᡏᢗᡎᡎᠸᡎ	GCTGGT 4560	
CCTTGCTGGGTGGCT	GTTTCATGTC	AGGGGAGCT	AGGAGA 4600	
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AGTGGGGATGTCTTG			ACAMO ACAO	
TCGAGGAATGTGAAC	ATCTGGAGGA	TGGGDTTTN	RCCCAM 4640	
ATTCCAGTCAACCTT	CTTGGGGGGCC	TTCCCACCCA	CACEC 4700	
GGAGTGGCACAGGGA	GGGGTGTTCC	'ACACA ATICTIC	3GAGIG 4720	
TCACAAGAGGAGCTT	TCCTTGTCAC	CACACAAIGI CAATCCCAA	STACEE 4/60	
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GATTCCATCTTGGGC	TTCAGTAAAG	GAAGACCTTC	TTCGCC 4840	
TATGGTGGCTCATGG	AAGTTGGAAG	GCAGATGGG	ATCCAC 4040	
AGGAAGAGGTCCAGT	TGATCGCGGC	TGTTCCAGG	110GAG 400U	
CGTGGTCAACGTCCA	GACAAAACCG	ACCTTCTTC	AAACTC 4060	
AGGAATGGGGGAGAA	ATCGGGGGCTG	TCCCTCTTC?	AAAGIG 4900	
5010				
<u></u>	5020 	5030	5040	
CGAGTGGCACTTCAG				
AGAGGTGATTGGGCT	GTACGGCAAT	GGCATCCTTC	STOGGT 5080	
GACAACTCCTTCGTG	TCCGCCATAT	CCCAGACTGA	AGGTGA 5120	
AGGAAGAAGGAAAGG.	AGGAGCTCCA	AGAGATCCCC	SACAAT 5160	
GCTAAAGAAAGGAAT	GACAACTGTC	CTTGATTTTC	CATCCT 5200	
5210	5220	5230	5240	
				
GGAGCTGGGAAGACA	AGACGTTTCC	TCCCACAGAT	CCTTGG 5240	
CGAGTGCGCACGGA	GACGCTTGCG	CACTCTTGTG	STTGGC 5280	
CCCACCAGGGTTGT'	TCTTTCTGAA	ATGAAGGAGG	CTTTT 5320	
CACGGCCTGGACGTG	AAATTCCACA	CACAGGCTTT	TTCCG 5360	
CTCACGGCAGCGGGA	GAGAAGTCAT	TGATGCCATG	STGCCA 5400	

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5410	5420	5430	5440				
TGCCACCCTAACTTA GTTAACTGGGAAGTG	ATCATTATGG	ATGAAGCCCA	TTTTT 54	440 480	 		
TGGATCCAGCTAGCA CAGAGCTAGGGCAAA GCCACACCGCCTGGG	TGAAAGTGCA	ACAATCTTGA	TGACA 55	560			
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ATGGTGAAATAGAAG. GCCCTGGAACACAGGGAGGCCCACGGCATGGGATGGCTCCTGAACAGGGTGGTCCTGAACAGG	GCATGACTGG ITCCTTCCAT CTTTGCGTAA	ATCCTGGCTG CCATCAGAGC GGCTGGAAAG	ACAAA 56 TGCAA 57 AGTGT 57	680 720 760			
5810	5820	5830	5840				
ACGATAAAGCAGAAGA ACATAGCTGAAATGG GCTGGATTGCAGGACG GAAGGGAGGAAGGTGG CCGCATCCTCTGCTGG	GAGCCAACCT GGCTTTTAAG GCAATAAAAG	TTGCGTGGAG CCTGTGCTTG GGCCACTTCG	CGAGT 58 IGGAT 59 IATCT 59	880 920 960	· · · · · · · · · · · · · · · · · · ·		·
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6410 	6420	6430	6440				
TGTGATGAAAGGGTGT AATTTATTAAGTTTGC AGTGCTAGTTGTGCTG AAAAAAGGTGGAGAGG FCCACTCTGAGGAAGG	CATCTGACCA TGAAGGTAGG AGTGAACTCG CAATGGATAG	AGAGTGCGCTG GAGGGGAGCTG CCTGATTTCCT	GTCTG 64: GCTGA 64: GGGCT 65:	180 520		-	
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ATCAATGATGCCTGAG ATACTGGCTGGACTAC FCATGTCTCCCAAAGG GGGCACAATGGCCGGC GGCGTCAAACCCACTC	GCAATGACAA TGACATCGGG CATCAGTAGA TGTGGATATG	ATAGTCATGCT SAATGGTCATC ATGTCTATGG CTCATGTTCCT	TTTT 668 CGAT 672	80 20			

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6810	6820	6830	6840	
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ACAAAGGTCCATCC	AGACAACCA	AGTGGCATACC	TCATT 6880	
ATTGGCATCCTGAC	CTGGTTTCA	GCGGTGGCAGC	CAACG 6920	
AGCTAGGCATGCTG	JAGAAAACCA	AAGAGGACCTC	TTTGG 6960	
GAAGAAGAACTTAA:	TCCATCTAG'	TGCTTCACCCT	GGAGT 7000	
7010	7020	7030	7040	
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TGGCCGGATCTTGA	CTGAAGCCA	GGAGCTGCCTG	GACAG 7040	
TGTACGTTGGCATT(STTACAATGC'	TCTCTCCAATG	TTGCA 7080	
CCACTGGATCAAAGT	CGAATATGG	CAACCTGTCTC	TGTCT 7120	
GGAATAGCCCAGTC <i>I</i>	AGCCTCAGTC	CTTTCTTTCAT	GGACA 7160	
AGGGGATACCATTC <i>i</i>	TGAAGATGA	ATATCTCGGTC	ATAAT 7200	
7210	7220	7230	7240	
			1240	
GCTGCTGGTCAGTG	CTGGAATTC	AATAACAGTGA	TGCCT 7240	
CTGCTCTGTGGCAT <i>I</i>	GGGTGCGCC	ATGCTCCACTG	STCTC 7280	
CATTTTACCTGGAA	TCAAAGCGC	AGCAGTCAAAG	TTTGC 7330	
ACAGAGAAGGGTGTT	'CCATGGCGT'	rgccaagaacc	TTGTG 7360	
STTGATGGGAATCC#	ACAGTTGAC	OSMASSA ACC	TCCTG 7400	
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AATGCCTGCCCTTT	'ATGAGAAGA	A A CTC C CTC CTA	TARCE 7440	
CTTCTTGCTCTCAG	CCTACCTTC:	TACIGGCICIA	FATCT 7440	
ACGCCCTTTTCATTG	GCTGAAGGC	TOTTGCCATGT	SCAGA 7480	
CTGCCTTAGGGCCGC	TCATAGACY	TITGICCTAGC.	ATCAG 7520	
TTGGAATGGACCCAT	CCTCTCTCCC	CARCACACA	TTCT /560	
7610	7620	7630	7640	
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GGGGGAATCACTAT	GCTTTTGTG(GAGTCATGTA	CAATC 7640	
'ATGGAAGATGAAAA	CTGGACGCC(GGGGAGCGCG.	AATGG 7680	
AAAACTTTGGGTGA	AGTCTGGAA(SAGGGAACTGA.	ATCTG 7720	
TGGACAAGCGACAG	TTTGAGTTG	TATAAAAGGAC	CGACA 7760	
TGTGGAGGTGGATC	GTGATACGGC	CACGCAGGCAT'	TTGGC 7800	
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GAAGGGAAGGTGGA	CACCGGGGT	GCGGTCTCCA	GGGG 7840	
CCGCAAAGTTAAGG	TGGTTCCATO	SAGCGTGGCTA'	CGTCA 7880	
GCTGGAAGGTAGGG	TGATTGACCT	GGGGTGTGGC	GCGG 7920	
GGCTGGTGTTACTA	CGCTGCTGC	SCAAAAGGAAG'	CGAGT 7960	
GGGTCAAAGGATTT	ACTCTTGGA	AGAGACGGCCA'	GAGA 8000	
8010	8020	8030	8040	
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ACCCATGAATGTGC	AAAGTCTGGG	SATGGAACATC	TCAC 8040	
TTCAAGGACAAAAC	TGATATCCAC	CGCCTAGAAC	CAGTG 8080	
AATGTGACACCCTT	TTGTGTGACA	TTGGAGAGTC	TCAT 8120	
GTCATCGGTCACAG	AGGGGGAAAC	GACCGTGAGA	STTCT 8160	
GATACTGTAGAAAA	ATGGCTGGCT	TGTGGGGTTG	CAAC 8200	

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8210 8220 8230	8240	
		
TTCTGTGTGAAGGTGTTAGCTCCATACATGCCAGAT	GTTC 8240	
TTGAGAAACTGGAATTGCTCCAAAGGAGGTTTGGCG	GAAC 8280	
AGTGATCAGGAACCCTCTCTCCAGGAATTCCACTCA	TGAA 8320	
$\mathtt{ATGTACTACGTGTCTGGAGCCCGCAGCAATGTCACA}^{\mathtt{A}}$	TTTA 8360	
CTGTGAACCAAACATCCCGCCTCCTGATGAGGAGAA'	TGAG 8400	
8410 8420 8430	8440	
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GCGTCCAACTGGAAAAGTGACCCTGGAGGCTGACGT(CATC 8440	
CTCCCAATTGGGACACGCAGTGTTGAGACAGACAAG	3GAC 8480	
CCCTGGACAAAGAGGCCATAGAAGAAAGGGTTGAGA	GAT 8520	
AAAATCTGAGTACATGACCTCTTGGTTTTATGACAA	TGAC 8560	
AACCCCTACAGGACCTGGCACTACTGTGGCTCCTAT	TCA 8600	
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CAAAAACCTCCGGAAGTGCGGCGAGCATGGTAAATG	CTCT 9640	
PATTAAAATTCTGACATATCCATGGGACAGGATAGA	31G1 864U	
STCACAAGAATGGCAATGACTGACACAACCCCTTTTC	3GAG 8680	
AGCAAAGAGTGTTTAAAGAAAAAGTTGACACCAGAGG	333 0760	
GGATCCACCAGCGGGAACTAGGAAGATCATGAAAGTT	JAAA 8/60	
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8810 8820 8830	8840	
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ACAGGTGGCTGTTCCGCCACCTGGCCAGAGAAAAGA	AACC 8840	
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CAGTGGAAGACTGCCAATGAGGCTGTCCAAGACCCAA	AAGT 8960	
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9010 9020 9030	9040	
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CCGTGCCATATGGTATATGTGGCTGGGAGCGCGGTA	ATCT 9120	
GAGTTTGAGGCCCTGGGATTCCTGAATGAGGACCAT	TGG 9160	
CTTCCAGGGAAAACTCAGGAGGAGGAGTGGAAGGCA	ATTG 9200	
9210 9220 9230	9240	
GCTTACAATACCTAGGATATGTGATCAGAGACCTGGC		
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GGGACACGCGCATCACAGAGGCAGACCTTGATGATG	320 9320	
GGAGATCTTGAACTACATGAGCCCACATCACAAAA	ACT 9360	
GCACAAGCAGTGATGGAAATGACATACAAGAACAAA	AGTG 9400	
9410 9420 9430		
	9440	
TGAAAGTGTTGAGACCAGCCCCAGGAGGGAAAGCCT		
GGATGTCATAAGTCGACGAGACCAGAGAGGATCCGG	MCM 944U	
GTAGTGACTATGCTCTGAACACCATCACCAACTTG	GCA 948U	
TCCAATTGATCAGAATGGCAGAAGCAGAGATGGTGA	AAA 9520	
TCACCAACATGTTCAAGATTGTGATGAATCAGTTCT	LAC 9560	
	GAC 9600	

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9610 	9620	9630 	9640	
CAGGCTGGAGGCATG	GCTCACTGA	GCACGGATGT	GACAGA 9640	
CTGAAGAGGATGGCG	GTGAGTGGA	GACGACTGTG	TGGTCC 9680	
GGCCCATCGATGACA	GGTTCGGCC	TGGCCCTGTC	CCATCT 9720	
CAACGCCATGTCCAA	GGTTAGAAA	GGACATATCT	GAATGG 9760	
CAGCCATCAAAAGGG	TGGAATGAT	TGGGAGAATG	TGCCCT 9800	
9810	9820	9830	9840	
لسيلسيلسي		<u> </u>	9840	
PCTGTTCCCACCACT	TCCATGAAC	TACAGCTGAA	GGATGG 9840	
CAGGAGGATTGTGGT	GCCTTGCCG	AGAACAGGAC	GAGCTC 9880	
ATTGGGAGAGGAAGG	GTGTCTCCA	GGAAACGGCT	GGATGA 9920	
rcaaggaaacagctt	GCCTCAGCA	AAGCCTATGC	CAACAT 9960	
STGGTCACTGATGTA	TTTTCACAA	AAGGGACATG	AGGCTA 10000	
10010	10020	10030	10040	
<u></u>		<u> </u>	1 1	
CTGTCATTGGCTGTT	TCCTCAGCT	GTTCCCACCT	TATEGE 10040	
TTCCACAAGGACGCA	CAACATGGT	CGATTCATGG	SAAAGG 10040	
GGAGTGGATGACCAC	GGAAGACAT	GCTTGAGGTG	PGGDAC 10120	
AGAGTATGGATAACC	AACAACCCA	CACATGCAGG	100AAC 10120 10160	
CAATGGTGAAAAAT	GGAGAGATG	TCCCTTATCT	ACCAA 10100	
10210	10220			
	10220 <u>1111</u>	10230 L	10240	
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ATAGGGCCACCTGG	GCCTCCCAC	ATCCATTTAGT	CATCC 10280	
ATCGTATCCGAACGC	TGATTGGAC.	AGGAGAAATA	CACTGA 10320	
TACCTAACAGTCAT	GGACAGGTA	TTCTGTGGAT	GCTGAC 10360	
TGCAACTGGGTGAG	CTTATCTGA	AACACCATCT <i>I</i>	ACAGG 10400	
10410	10420	10430	10440	
<u> </u>		ليبيابينا		
ATAACCGGGATACA	AACCACGGG	TGGAGAACCGG	SACTCC 10440	
CACAACCTGAAACC	GGGATATAA	ACCACGGCTGG	SAGAAC 10480	
GGGCTCCGCACTTA	AAATGAAAC.	AGAAACCGGGA	TAAAA 10520	
CTACGGATGGAGAA	CCGGACTCC	ACACATTGAGA	CAGAA 10560	
AAGTTGTCAGCCCA	GAACCCCAC	ACGAGTTTTGC	CACTG 10600	
10610	10620	10630	10640	
<u> </u>				
TAAGCTGTGAGGCA	GTGCAGGCT	GGGACAGCCGA	CCTCC 10640	
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GTAAAAAGAACGGA	GCCTCCGCT	ACCACCCTCCC	ACGTG 10720	
TGGTAGAAAGACGG	GGTCTAGAG	GTTAGAGGAGA	CCCTC 10760	
AGGGAACAAATAGT	GGGACCATA'	TTGACGCCAGG	GAAAG 10800	
10810	10820	10830	10840	
		ليتبلينيا	1111	
CCGGAGTGGTTCTC	rgcttttcc:	rccagaggtct	GTGAG 10840	-
ACAGTTTGCTCAAG	AATAAGCAG	ACCTTTGGATG	מבסב בווב	
			ACAAA IUOOU	

10 20 30 40
MSGRKAQGKTLGVNMVRRGVRSLSNKIKQKTKQIGNRPGP 40 SRGVQGFIFFFLFNILTGKKITAHLKRLWKMLDPRQGLAV 80 LRKVKRVVASLMRGLSSRKRRSHDVLTVQFLILGMLLMTG 120 GMKLSNFQGKLLMTINNTDIADVIVIPTSKGENRCWVRAI 160 DVGYMCEDTITYECPKLTMGNDPEDVDCWCDNQEVYVQYG 200
210 220 230 240
RCTRTRHSKRSRRSVSVQTHGESSLVNKKEAWLDSTKATR 240 YLMKTENWIIRNPGYAFLAAVLGWMLGSNNGQRVVFTILL 280 LLVAPAYSFNCLGMGNRDFIEGASGATWVDLVLEGDSCLT 320 IMANDKPTLDVRMINIEASQLAEVRSYCYHASVTDISTVA 360 RCPTTGEAHNEKRADSSYVCKQGFTDRGWGNGCGFFGKGS 400
410 420 430 440
IDTCAKFSCTSKAIGRTIQPENIKYKVGIFVHGTTTSENH 440 GNYSAQVGASQAAKFTVTPNAPSVALKLGDYGEVTLDCEP 480 RSGLNTEAFYVMTVGSKSFLVHREWFHDLALPWTSPSSTA 520 WRNRELLMEFEGAHATKQSVVALGSQEGGLHHALAGAIVV 560 EYSSSVMLTSGHLKCRLKMDKLALKGTTYGMCTEKFSFAK 600
610 620 630 640
NPVDTGHGTVVIELSYSGSDGPCKIPIVSVASLNDMTPVG 640 RLVTVNPFVATSSANSKVLVEMEPPFGDSYIVVGRGDKQI 680 NHHWHKAGSTLGKAFSTTLKGAQRLAALGDTAWDFGSIGG 720 VFNSIGRAVHQVFGGAFRTLFGGMSWITQGLMGALLLWMG 760 VNARDRSIALAFLATGGVLVFLATNVGADQGCAINFGKRE 800
810 820 830 840
LKCGDGIFIFRDSDDWLNKYSYYPEDPVKLASIVKASFEE 840 GKCGLNSVDSLEHEMWRSRADEINAIFEENEVDISVVVQD 880 PKNVYQRGTHPFSRIRDGLQYGWKTWGKNLVFSPGRKNGS 920 FIIDGKSRKECPFSNRVWNSFQIEEFGTGVFTTRVYMDAV 960 FEYTIDCDGSILGAAVNGKKSAHGSPTFWMGSHEVNGTWM 1000
1010 1020 1030 1040
IHTLEALDYKECEWPLTHTIGTSVEESEMFMPRSIGGPVS 1040 SHNHIPGYKVQTNGPWMQVPLEVKREACPGTSVIIDGNCD 1080 GRGKSTRSTTDSGKVIPEWCCRSCTMPPVSFHGSDGCWYP 1120 MEIRPRKTHESHLVRSWVTAGEIHAVPFGLVSMMIAMEVV 1160

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HRARANESATILMTATPPGTSDEFPHSNGEIEDVQTDIPS 1840
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2010 2020 2030 2040
<u> </u>
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2210 2220 2230 2240
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MLLVSGWNSITVMPLLCGIGCAMLHWSLILPGIKAQQSKL 2400
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ACCRUMINATION OF THE PROPERTY
AQRRVFHGVAKNPVVDGNPTVDIEEAPEMPALYEKKLALY 2440
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LWNGPMAVSMTGVMRGNHYAFVGVMYNLWKMKTGRRGSAN 2520
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2610 2620 2630 2640
GGWCYYAAAQKEVSGVKGFTLGRDGHEKPMNVQSLGWNII 2640 TFKDKTDIHRLEPVKCDTLLCDIGESSSSSVTEGERTVRV 2680 LDTVEKWLACGVDNFCVKVLAPYMPDVLEKLELLQRRFGG 2720 TVIRNPLSRNSTHEMYYVSGARSNVTFTVNQTSRLLMRRM 2760 RRPTGKVTLEADVILPIGTRSVETDKGPLDKEAIEERVER 2800
2810 2820 2830 2840
IKSEYMTSWFYDNDNPYRTWHYCGSYVTKTSGSAASMVNG 2840 VIKILTYPWDRIEEVTRMAMTDTTPFGQQRVFKEKVDTRA 2880 KDPPAGTRKIMKVVNRWLFRHLAREKNPRLCTKEEFIAKV 2920 RSHAAIGAYLEEQEQWKTANEAVQDPKFWELVDEERKLHQ 2960 QGRCRTCVYNMMGKREKKLSEFGKAKGSRAIWYMWLGARY 3000
3010 3020 3030 3040
LEFEALGFLNEDHWASRENSGGGVEGIGLQYLGYVIRDLA 3040 AMDGGGFYADDTAGWDTRITEADLDDEQEILNYMSPHHKK 3080 LAQAVMEMTYKNKVVKVLRPAPGGKAYMDVISRRDQRGSG 3120 QVVTYALNTITNLKVQLIRMAEAEMVIHHQHVQDCDESVL 3160 TRLEAWLTEHGCDRLKRMAVSGDDCVVRPIDDRFGLALSH 3200
3210 3220 3230 3240
LNAMSKVRKDISEWQPSKGWNDWENVPFCSHHFHELQLKD 3240 GRRIVVPCREQDELIGRGRVSPGNGWMIKETACLSKAYAN 3280 MWSLMYFHKRDMRLLSLAVSSAVPTSWVPQGRTTWSIHGK 3320 GEWMTTEDMLEVWNRVWITNNPHMQDKTMVKKWRDVPYLT 3360 KRQDKLCGSLIGMTNRATWASHIHLVIHRIRTLIGQEKYT 3400
3410 3420 3430 3440 DYLTVMDRYSVDADLQLGELI. 3422